

To: Robinson, David[David.Robinson@WestonSolutions.com]
From: Way, Steven
Sent: Mon 3/23/2015 6:23:25 PM
Subject: FW: Red and Bonita - Removal support and Gold King - Removal assessment

Dave,

Here's a list of anticipated tasks for 2015. I have not yet created the new TDD for the R n B, but plan to do so this week. The Gold King site still has a TDD open.

Red and Bonita:

1. Prepare plans for water treatment associated with preparing the adit for bulkhead construction. This includes reagent recommendations and quantity requirements. Identify equipment needs for chemical delivery and monitoring to during operations.
2. Provide engineering support to develop plans retention pond expansion necessary to collect solids from adit preparation.
3. Provide engineering support as directed to support the development of a storage cell for the solids from the settling pond.
4. Amend the Site SAP as needed to cover potential sampling and monitoring requirements during the underground operations.
5. Amend the SAP to cover anticipated sampling of selected adits and surface water locations prior to the sealing of the bulkhead.
6. Conduct sampling of those selected locations in item 4 before and after bulkhead valve closure. Flow measurements must be obtained from the adits for all sampling events.
7. Provide assistance onsite during the performance of the water treatment system. This will include assisting the ERRS contractor in operating and monitoring the chemical feed system and ensuring the proper functioning of the water management system. (Note: Adit clean out of the metals precip solids is anticipated to occur in mid to late July and require approximately 1 week.)
8. Document operations associated with bulkhead construction and assisting DRMS with monitoring and documenting contractor tasks in accordance with design requirements. This will

include underground inspections.

9. Provide final reporting.

Gold King:

1. Prepare water treatment plans for managing water impounded behind the blockage at the adit portal and base flow during portal construction and underground investigations. This includes reagent recommendations and quantity requirements. Identify equipment needs for chemical delivery and monitoring to during operations.
2. Provide preliminary conceptual designs for appropriate grading and conveyance of adit flow once the adit portal is reconstructed. This will be replacing the existing open channel system with a similar channel following the excavation of the dump in the area immediately adjacent to the adit. A flume need to be installed to replace the existing parshall flume.
3. Document activities during the portal opening and construction.
4. Perform water monitoring and sampling as required during the water management activities.
5. Develop or amend the existing SAP to cover the anticipated sampling program.
6. Provide a final report.

I will refine these as needed. In the meantime if you have questions, let me know.

Sincerely,

Steve

Steven Way

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